

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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093897-06090-22682E60

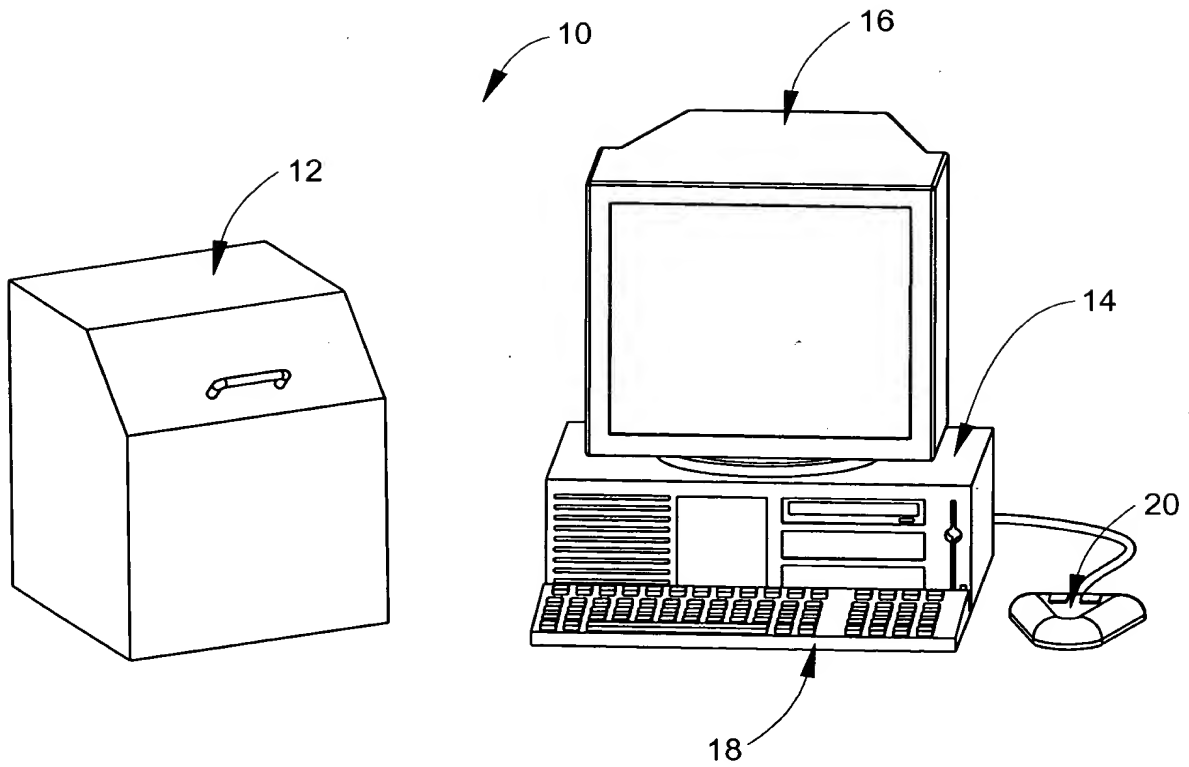


FIG. 1

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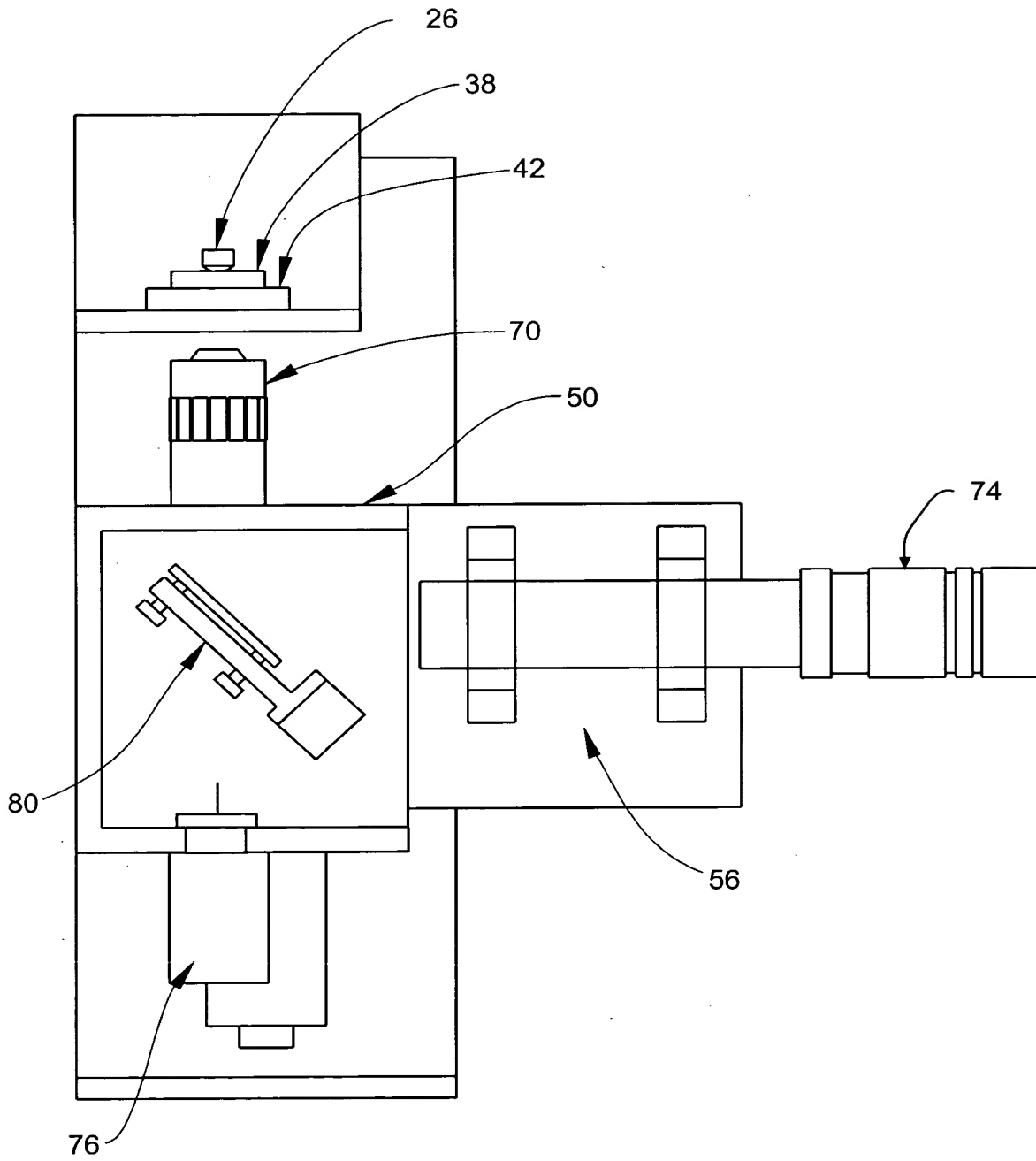


FIG. 2

666090" 2468260

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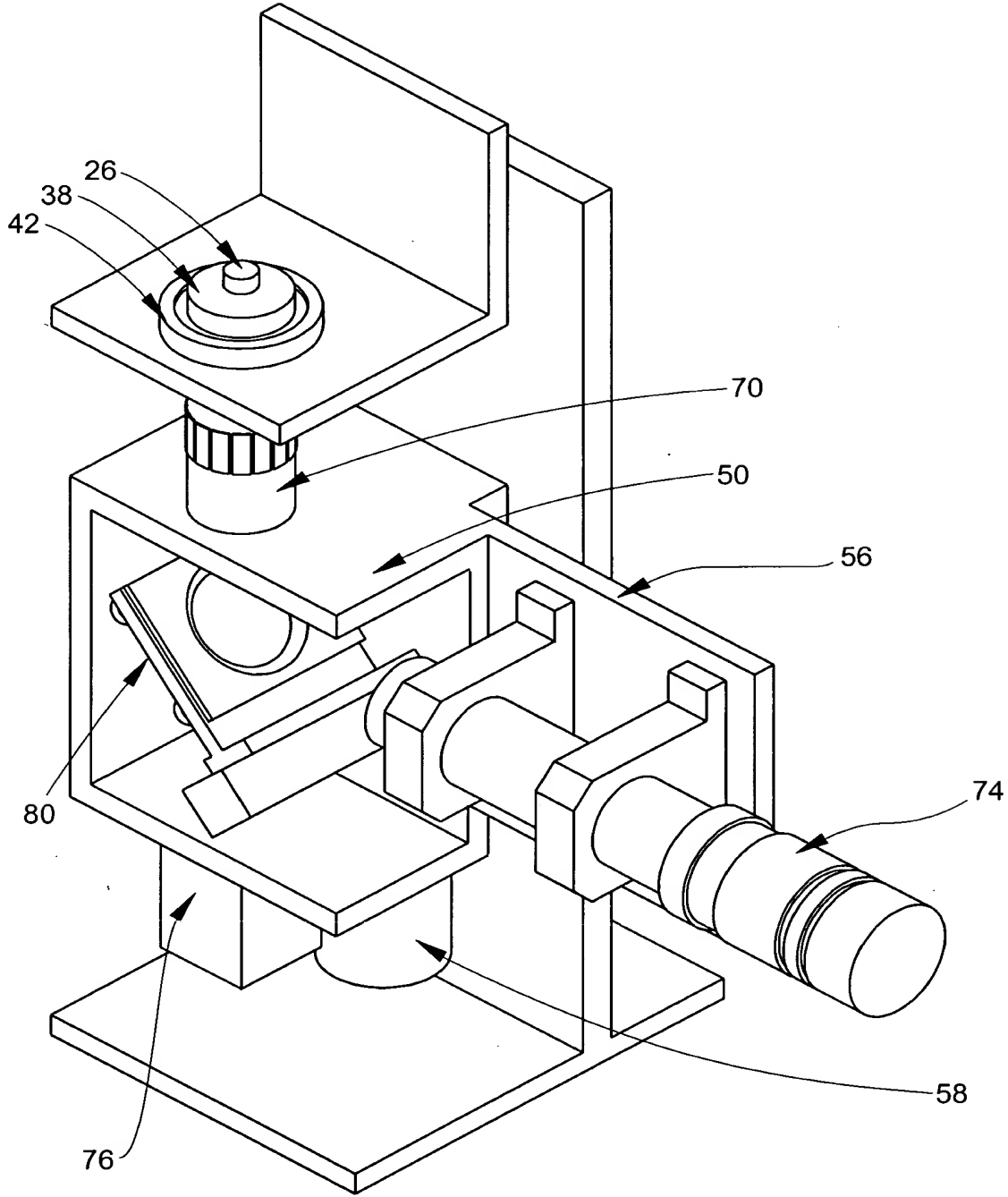


FIG. 3

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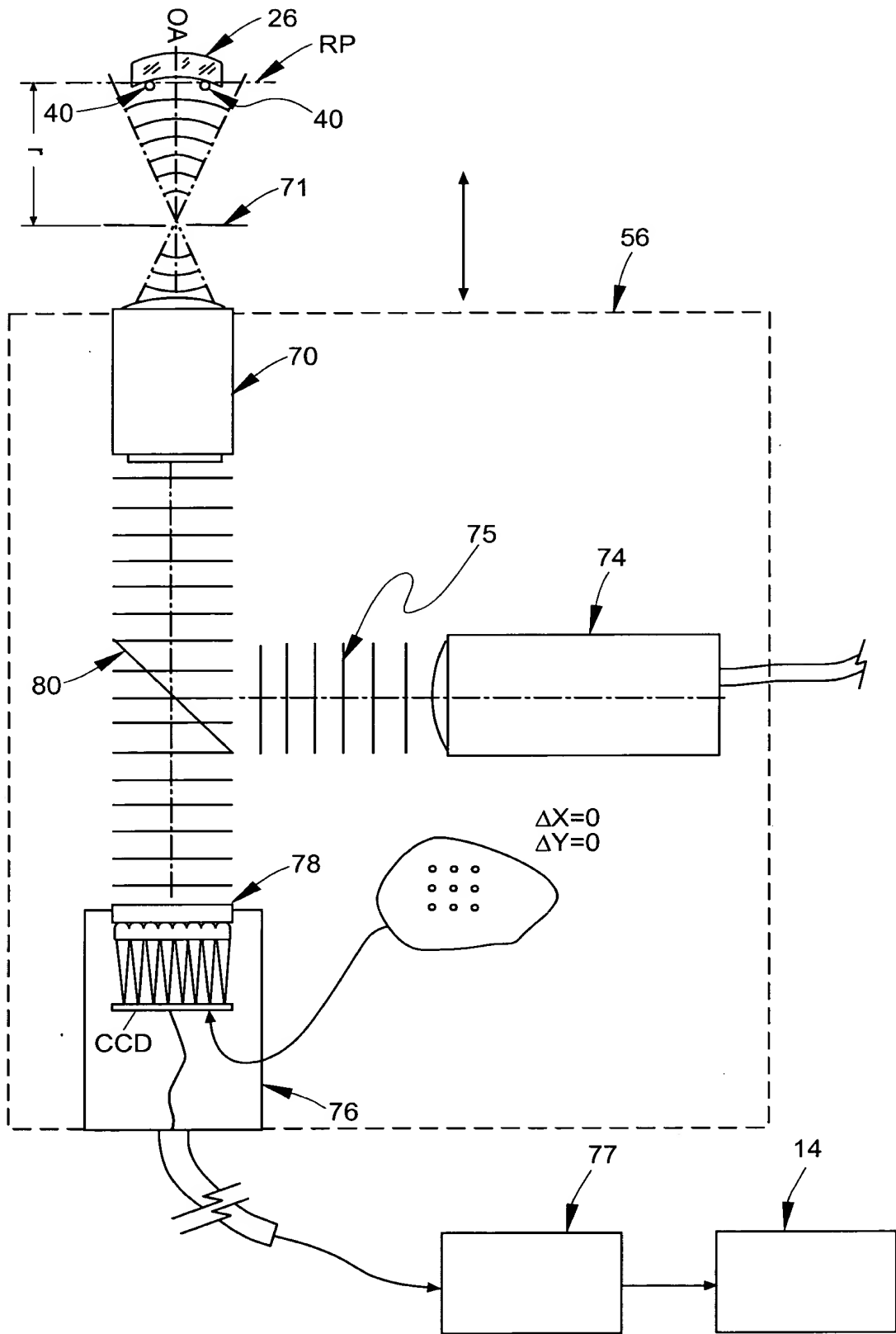


FIG. 5

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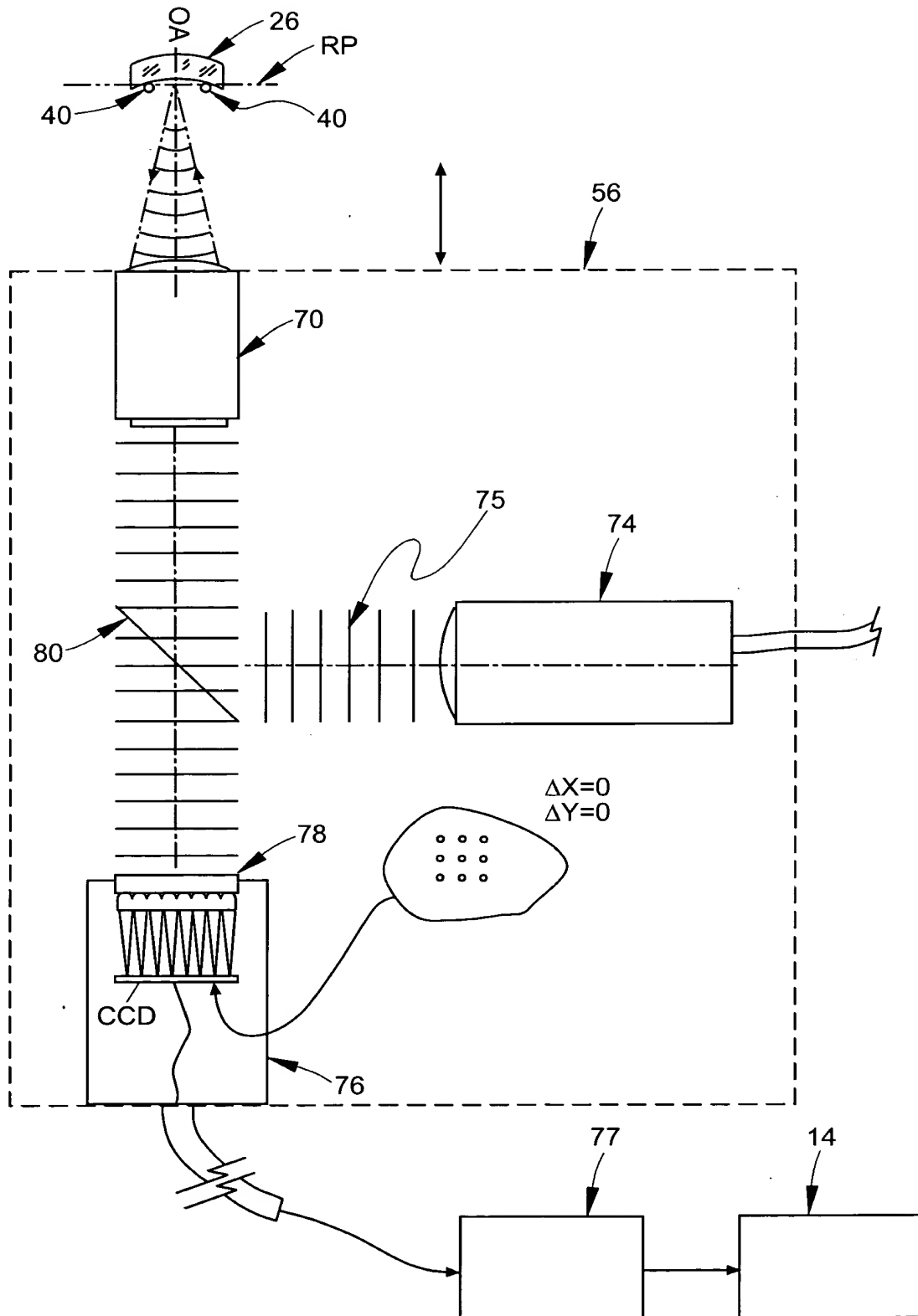


FIG. 6

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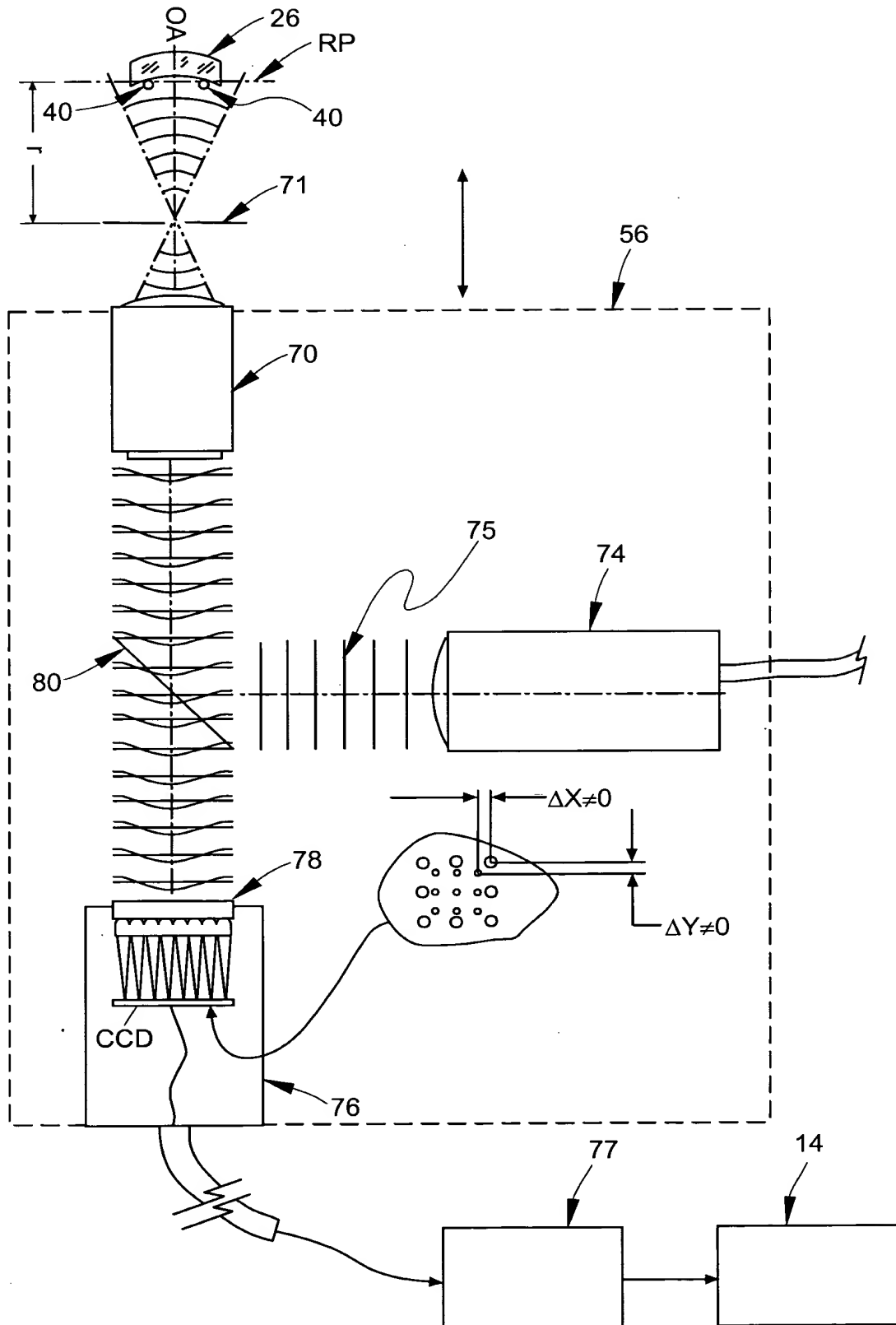


FIG. 7

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<p>THRESHOLD ADJUSTMENT</p> <p>THRESHOLD</p> <p>255 <input type="text" value="38"/> 0</p>	<p>PEAK LOCATION SEARCH PEAKS</p> <p>PEAK <input type="text" value="CENTROID"/></p> <p>REFERENCE ADJUSTMENT</p> <p>REFERENCE <input type="text" value="LABEL"/></p>	<p>DRAWING</p> <p>TRACES <input type="text" value="REDRAW"/></p> <p>SAVE AS BASE COORDINATES</p> <p>SAVE</p>	<p>DISPLAY CALCULATION</p> <p>CALCULATE SHIFT</p> <p><input type="checkbox"/> POSITIVE SLOPE</p>
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FIG. 8

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09328972-06099

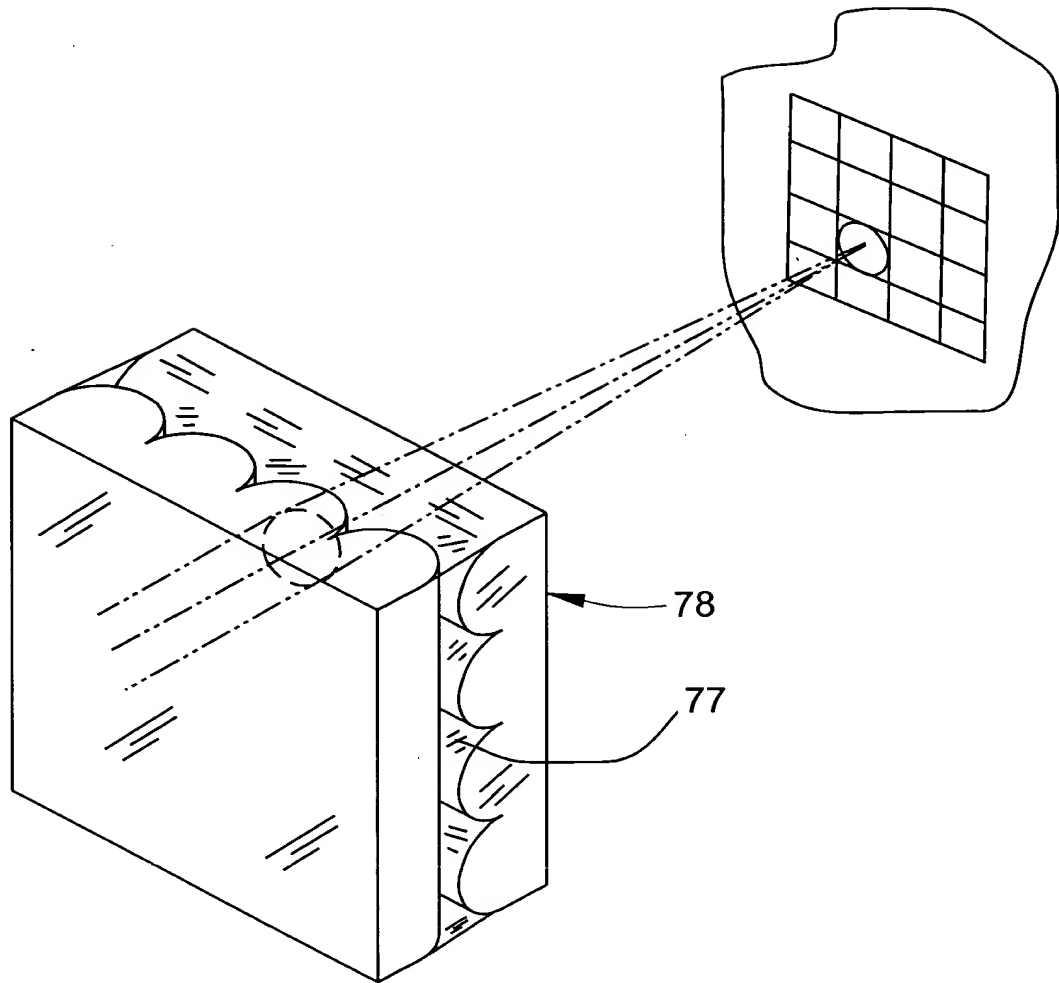
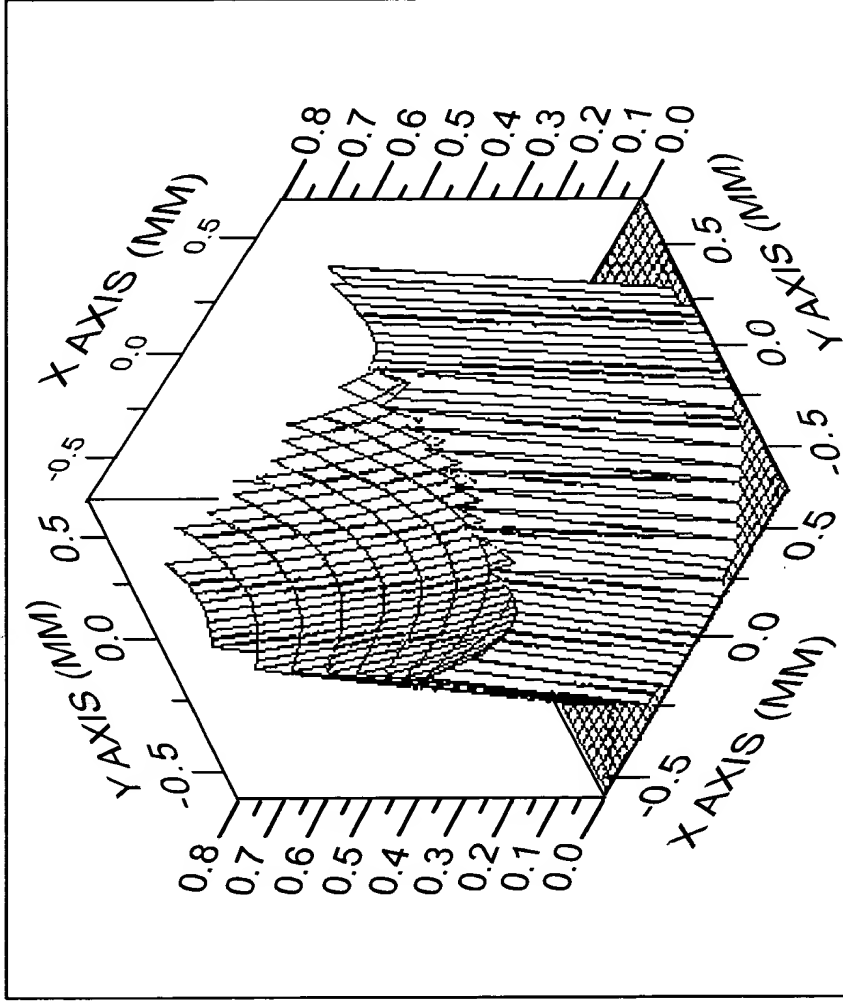


FIG. 9

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UNIT UNDER TEST <input type="radio"/> CONCAVE <input checked="" type="radio"/> CONVEX EXPECTED RADIUS <input type="text" value="8"/> mm 0-FOCAL LENGTH <input type="text" value="20"/> mm		CALCULATED RESULTS RADIUS <input type="text" value="8.00159"/> mm		MOTION CONTROL <input type="text" value="MOTOR..."/>		FRAME GRABBER CONTROL <input type="text" value="ACTIVE IMAGE"/>		DISPLAY TYPES <input checked="" type="checkbox"/> MESH <input checked="" type="checkbox"/> SHADED <input type="checkbox"/> CONTOURS <input checked="" type="checkbox"/> ZONES	
<input checked="" type="checkbox"/> TURN OFF LINEAR TERM		<input checked="" type="checkbox"/> TURN OFF FOURTH TERM		<input checked="" type="checkbox"/> MOVE OFFSET		<input type="checkbox"/> LOCATE FOCUS		<input type="checkbox"/> LOCATE RADIUS	
<input type="checkbox"/> TURN OFF SECOND TERM		<input type="checkbox"/> DATA FILTERING		<input type="checkbox"/> SHOW RESULTS		<input type="checkbox"/> MEASUREMENT		<input type="checkbox"/> SURFACE CONTOURS	
<input type="checkbox"/> TURN OFF THIRD TERM		<input type="checkbox"/> DEFOCUS POSITIVE		<input type="checkbox"/> SUBTRACT RESIDUAL		<input type="checkbox"/> MAPPING ORDER			



OPERATIONS

FIG. 10

APPROVED	O.G. FIG.	
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MAPPING AT DEFOCUS 0 MICRONS
 PEAK TO VALLEY VALUE: 0.516 MICRONS
 RMS VALUE: 0.113414 MICRONS

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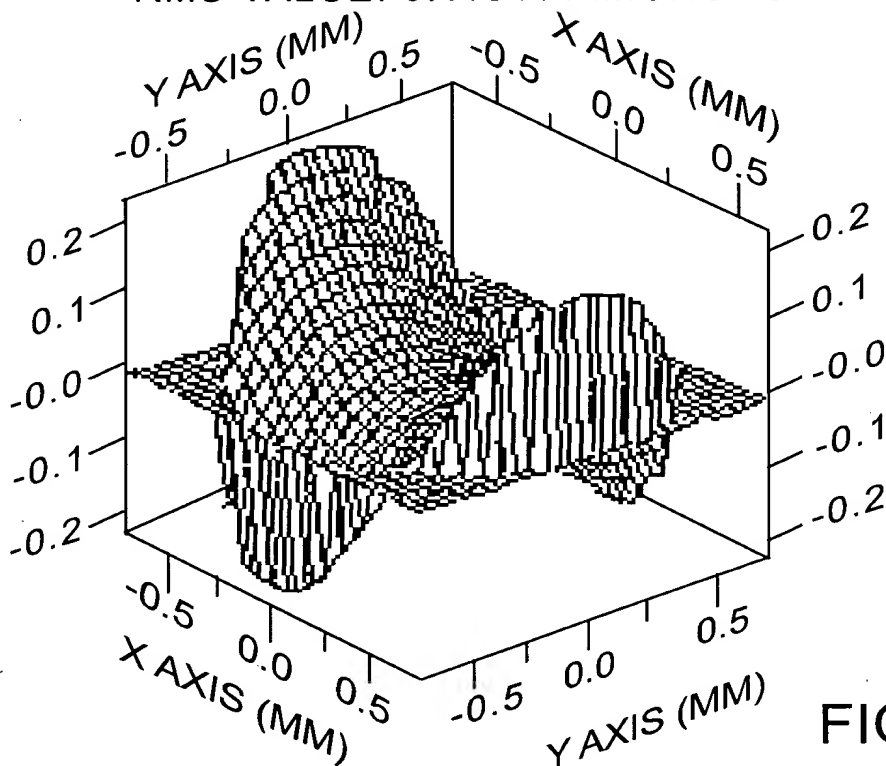


FIG. 11A

MAPPING AT DEFOCUS 100 MICRONS
 PEAK TO VALLEY VALUE: 0.500 MICRONS
 RMS VALUE: 0.212682 MICRONS

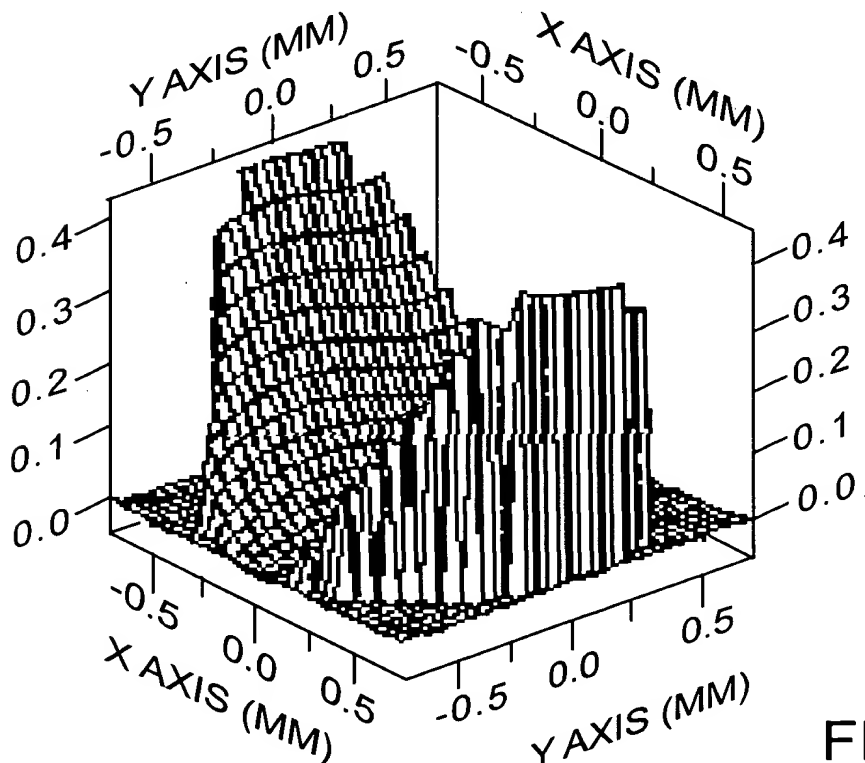


FIG. 11B

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APPROVED	O.G. FIG.	
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MAPPING AT DEFOCUS 200 MICRONS
 PEAK TO VALLEY VALUE: 0.677 MICRONS
 RMS VALUE: 0.366139 MICRONS

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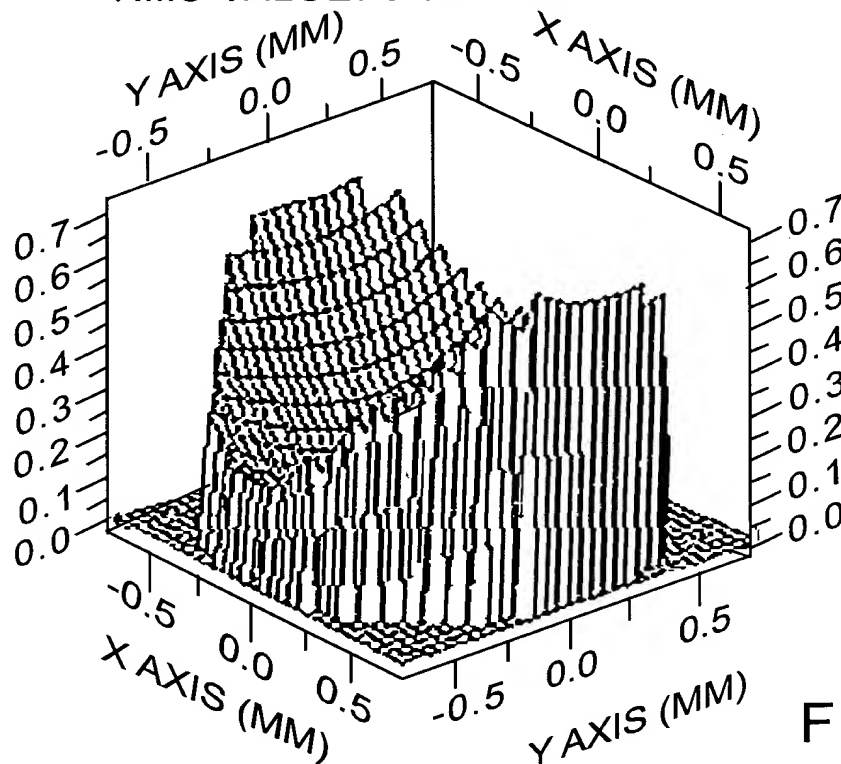


FIG. 11C

MAPPING AT DEFOCUS 300 MICRONS
 PEAK TO VALLEY VALUE: 0.835 MICRONS
 RMS VALUE: 0.515124 MICRONS

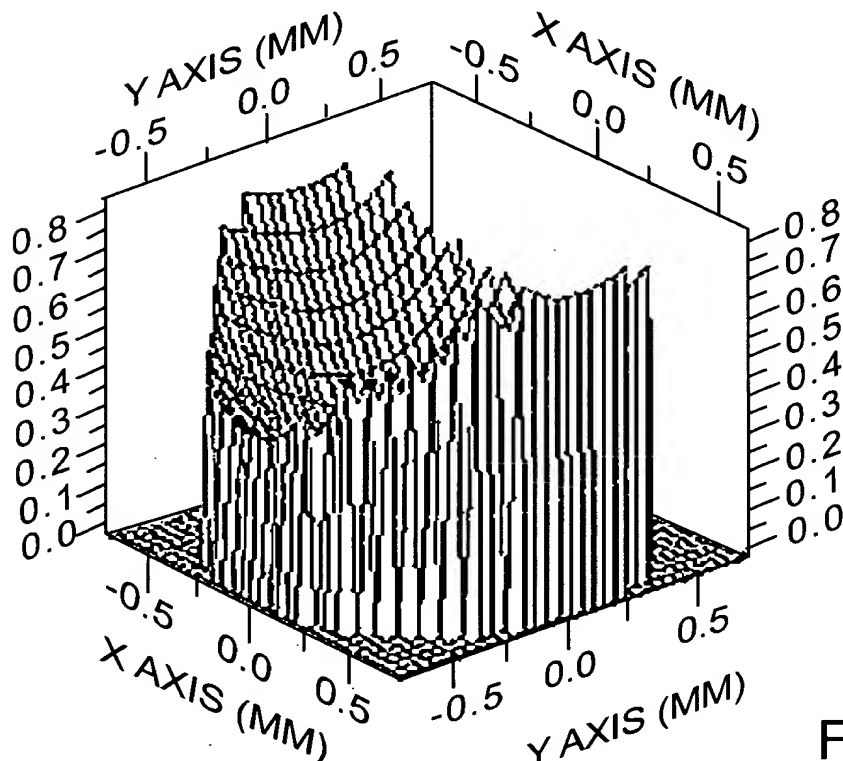


FIG. 11D

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APPROVED	O.G. FIG.	
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MAPPING AT DEFOCUS 0 MICRONS
PEAK TO VALLEY VALUE: 0.611 MICRONS
RMS VALUE: 0.133521 MICRONS

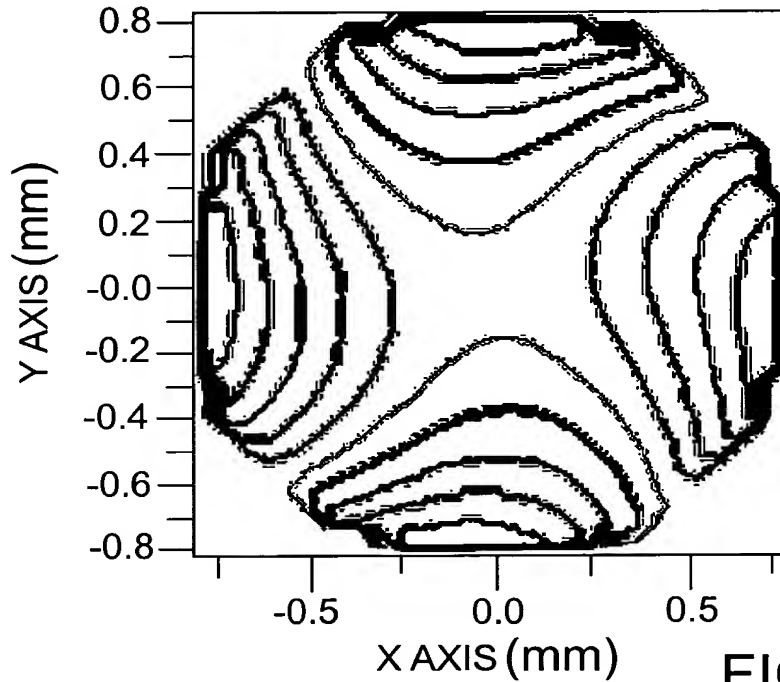


FIG. 12A

MAPPING AT DEFOCUS 100 MICRONS
PEAK TO VALLEY VALUE: 0.565 MICRONS
RMS VALUE: 0.238394 MICRONS

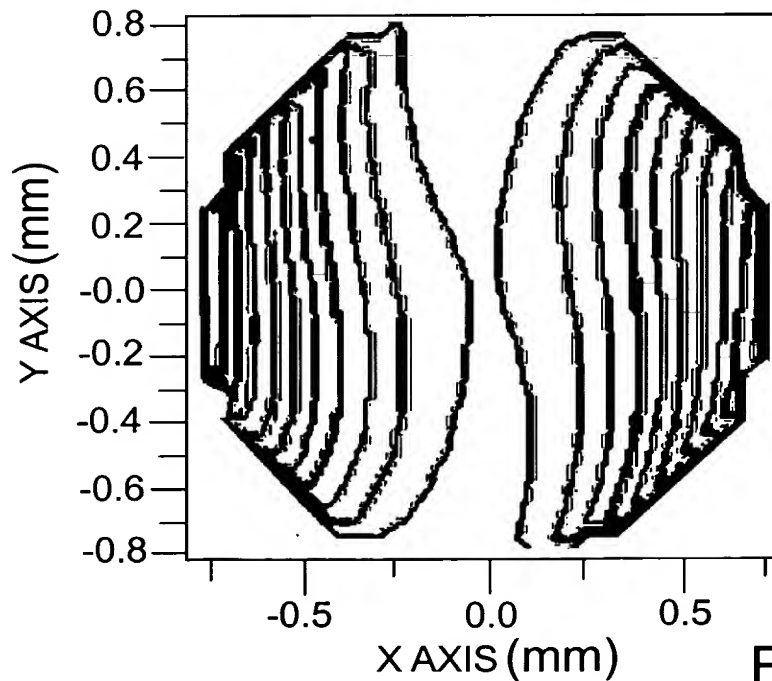


FIG. 12B

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APPROVED	O.G. FIG.	
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MAPPING AT DEFOCUS 200 MICRONS
PEAK TO VALLEY VALUE: 0.722 MICRONS
RMS VALUE: 0.389452 MICRONS

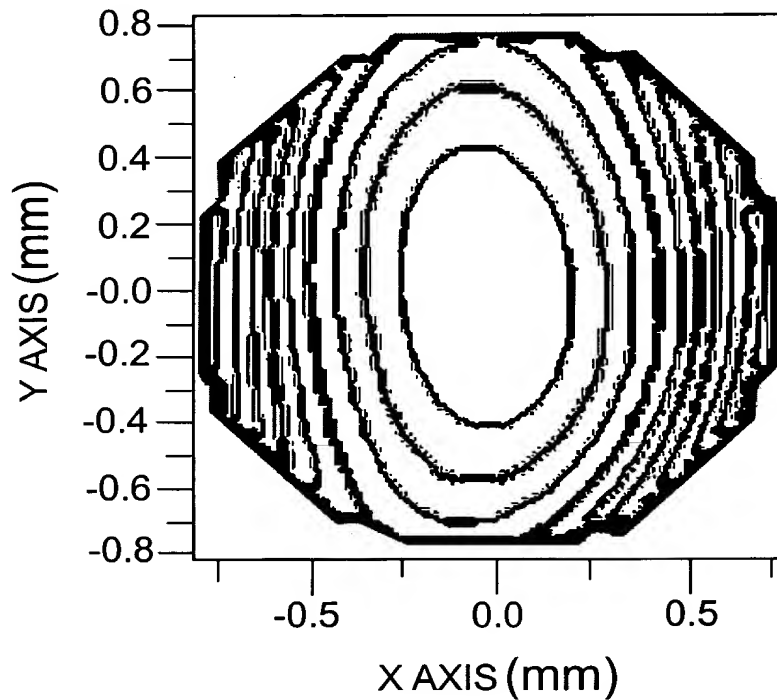


FIG. 12C

MAPPING AT DEFOCUS 300 MICRONS
PEAK TO VALLEY VALUE: 0.835 MICRONS
RMS VALUE: 0.515124 MICRONS

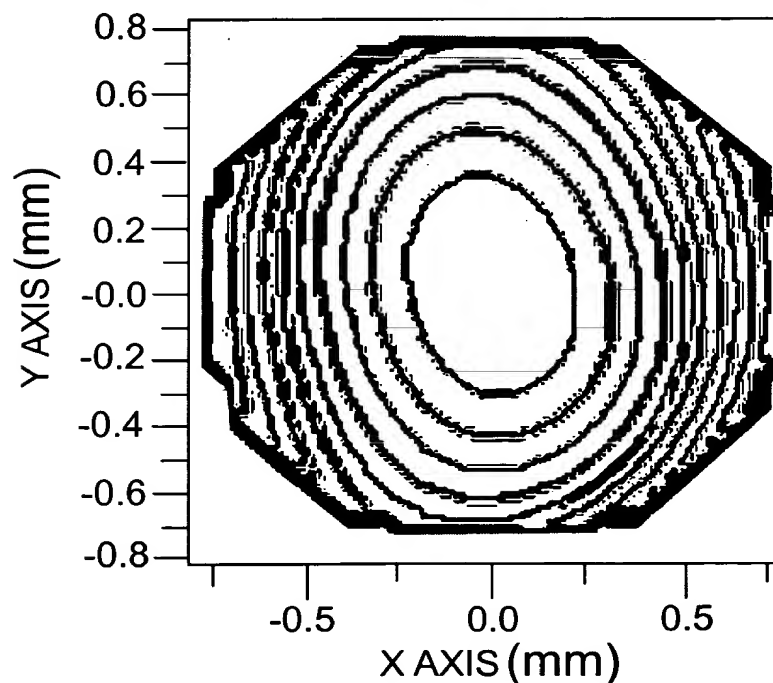


FIG. 12D

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APPROVED	O.G. FIG.	
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SMI FITTING DATA

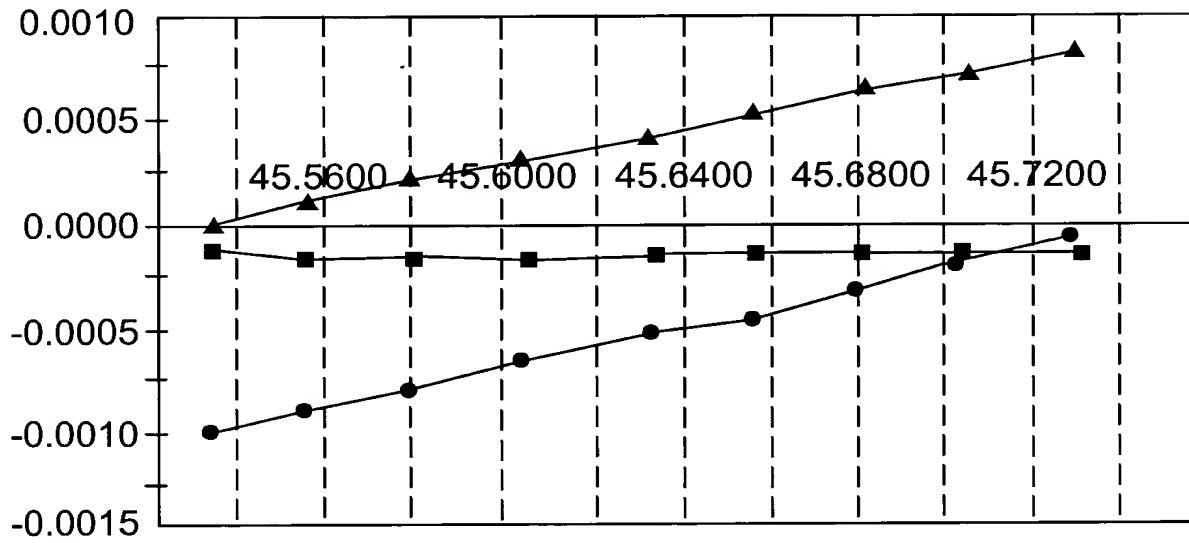


FIG. 13

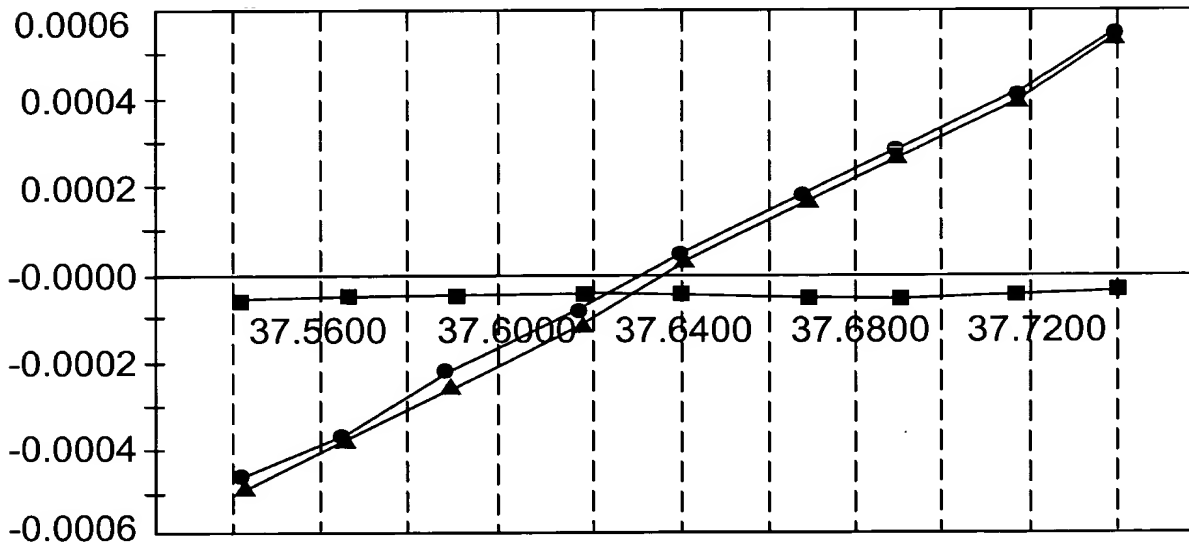


FIG. 14

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APPROVED	O.G. FIG.	
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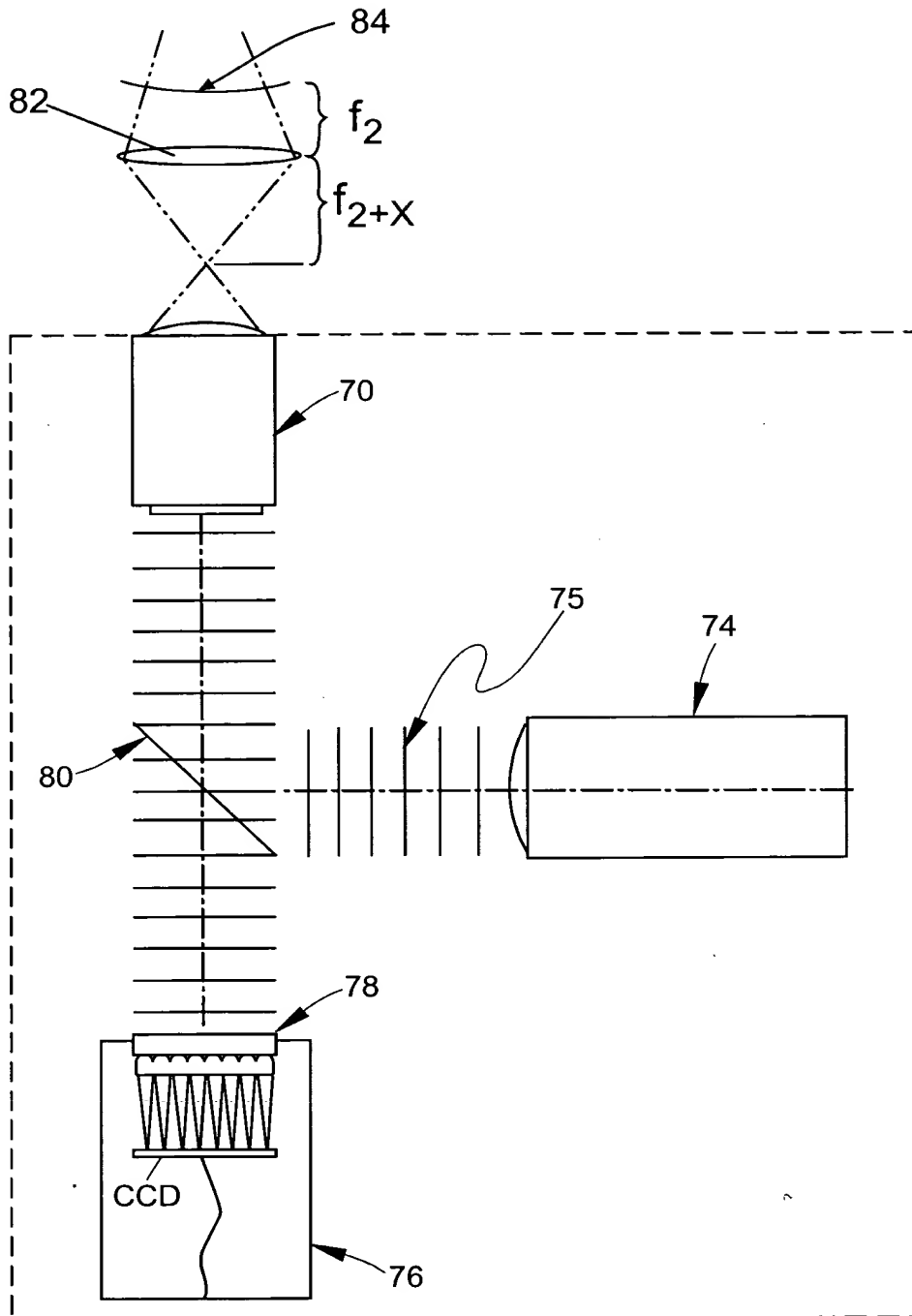
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EXPECTED VALUE	MEASURED VALUES
MEAN RADIUS 8 mm	MEAN RADIUS 8.00623 mm
	SPHERICAL RADIUS 7.94381 mm
	CYLINDRICAL RADIUS 8.06864 mm
	AXIS 85.5778 DEG

FIG. 15

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FIG. 16

APPROVED	O.G. FIG.	
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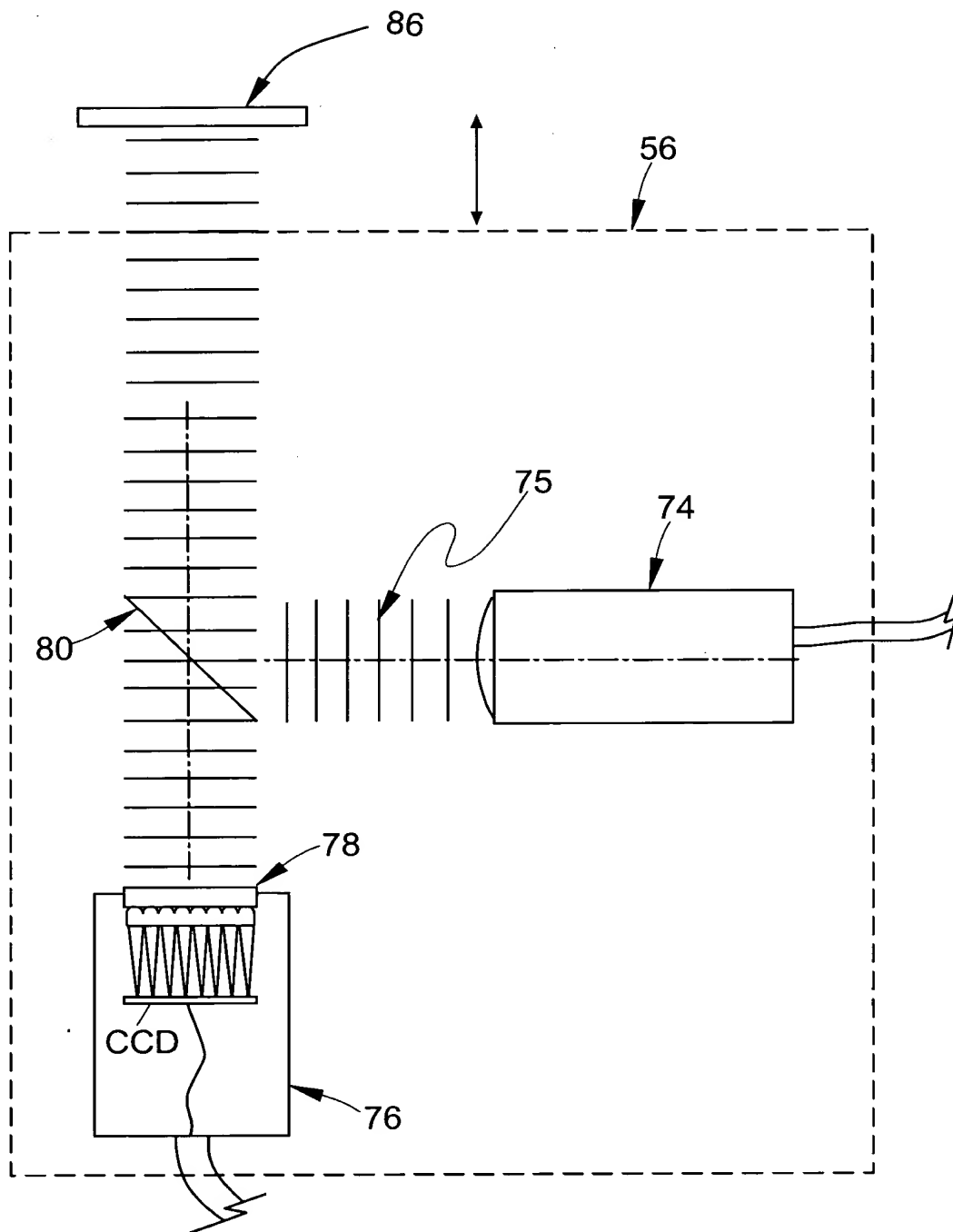


FIG. 17

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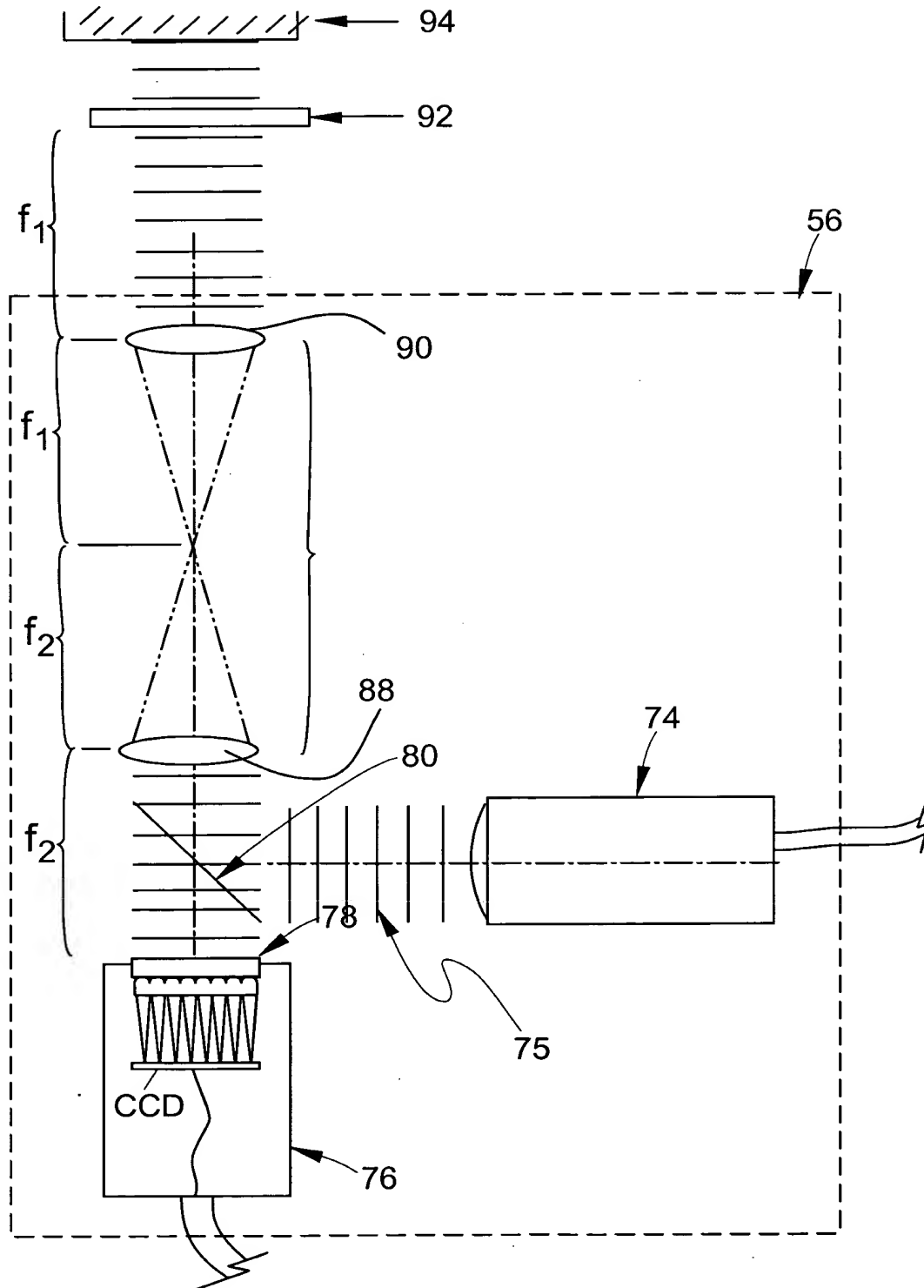


FIG. 18

APPROVED	O.G. FIG.	
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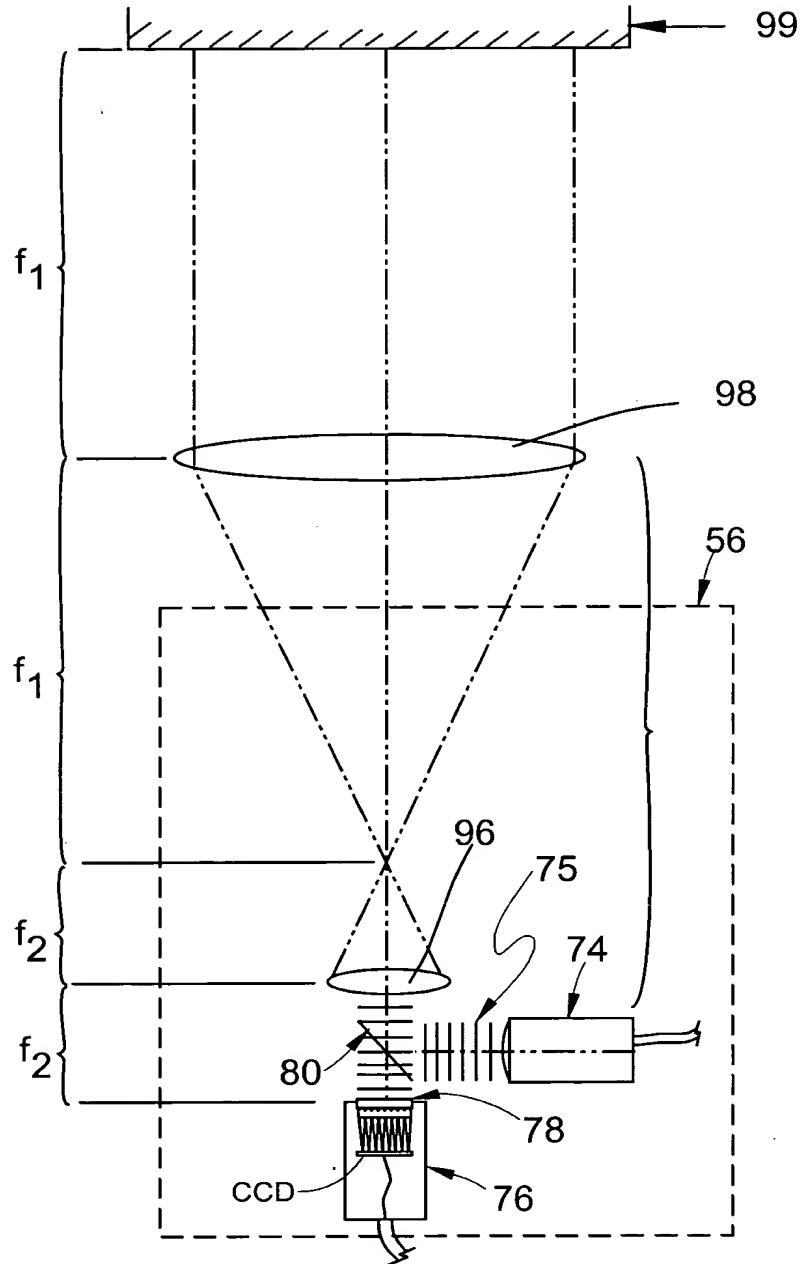


FIG. 19

APPROVED	O.G. FIG.	
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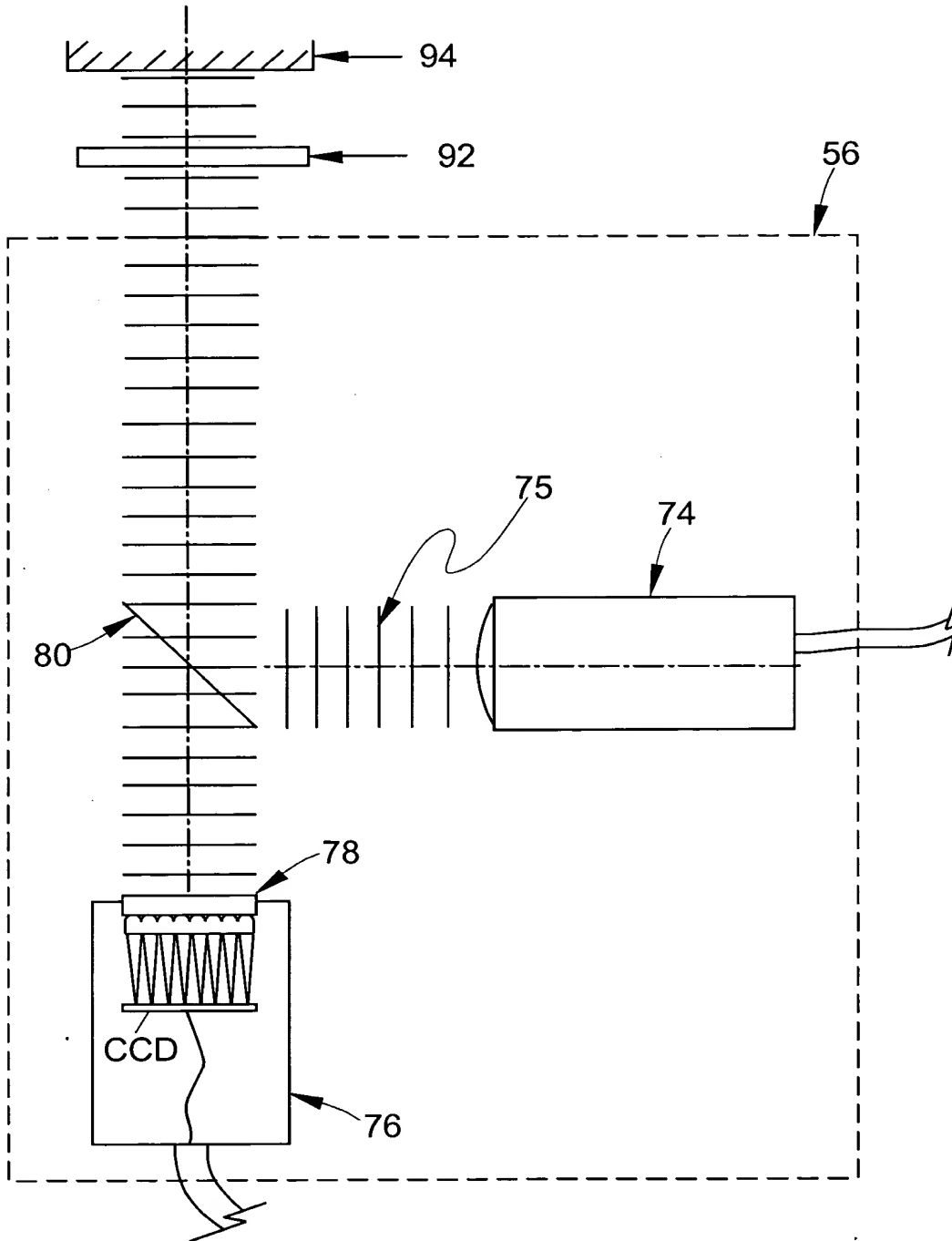


FIG. 20

0932877-060999 666090-22682E60

APPROVED	O.G. FIG.	
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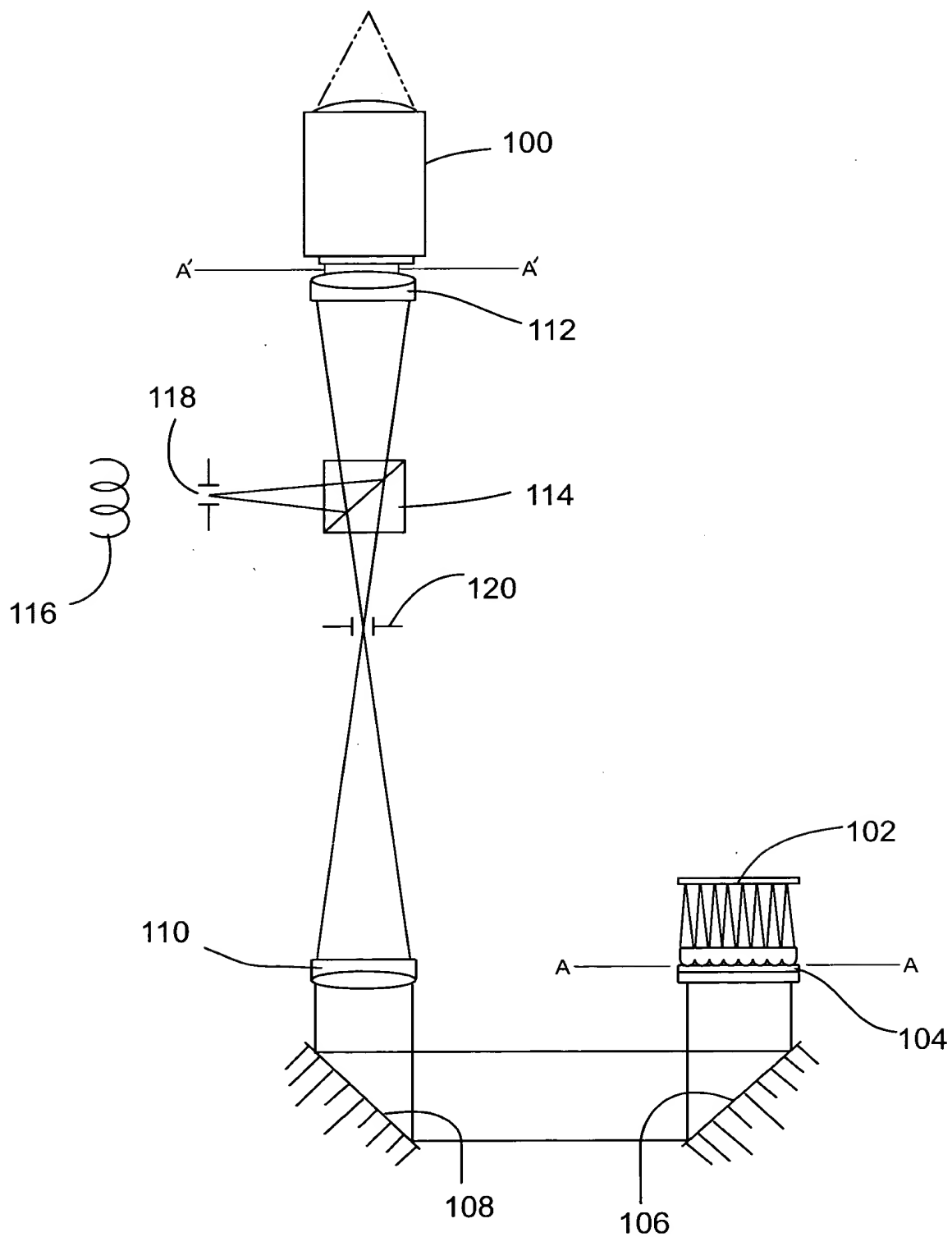


FIG. 21